

TITLE OF THE INVENTION  
SYNTHETIC HUMAN PAPILLOMAVIRUS GENES

ABSTRACT OF THE DISCLOSURE

5                Synthetic DNA molecules encoding papillomavirus proteins are  
provided. The codons of the synthetic molecules are codons preferred by the  
projected host cell. The synthetic molecules may be used as a polynucleotide vaccine  
which provides effective immunoprophylaxis against papillomavirus infection  
through stimulation of neutralizing antibody and cell-mediated immunity.

10